

ONE LINE DIAGRAM

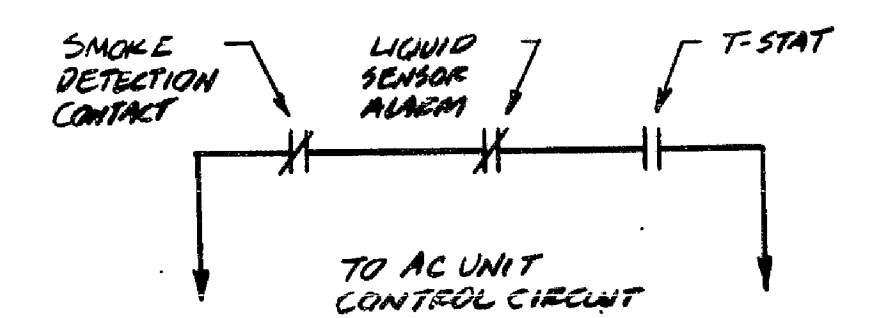
ELECTRICAL NOTES

- FOR ELECTRICAL SPECIFICATIONS SEE DWG. E-1
- ALL ELECTRICAL CONDUITS TO HAVE A MINIMUM OF 2 #12 WIRES (U.L. STANDARD) UNLESS OTHERWISE NOTED.
- DEVICE PLATES SHALL BE BRUSH SATIN ANODIZED ALUMINUM. DEVICE PLATES FOR TELEPHONE OUTLETS SHALL HAVE A BUSHED HOLE.
- ALL FLOOR OUTLETS AND UNDERCELL BOX ASSEMBLIES BEING REMOVED AND NOT RE-USED ARE TO BE RETURNED TO THE ENGINEER.
- ALL PANEL DIRECTORIES SHALL BE UPDATED TO REFLECT CHANGES DUE TO THIS CONTRACT.
- ALL TELEPHONE AND COMMUNICATION WIRING NOT TO BE RE-USED SHALL BE REMOVED.
- THE CONTRACTOR SHALL FURNISH AND INSTALL 200A, 208/120V OR 400/277V METER SOCKETS WITH NEUTRAL ISOLATED FROM GROUND AND WITH BY-PASS, AS PER CON EXISTING REQUIREMENTS FOR ELECTRIC SERVICE INSTALLATIONS (TABLE R). THE AUTHORITY WILL PROVIDE AND INSTALL THE METER (S).
- THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL ITEMS WHICH ARE TO BE REMOVED DUE TO DESTRUCTION AS SHOWN ON ARCHITECTURAL DRAWINGS.
- COORDINATE RECEPTACLE CONFIGURATIONS WITH EQUIPMENT SPECIFICATIONS.
- GROUND EVERY SECOND PEDESTAL IN EVERY OTHER ROW WITH A CONTINUOUS #6 COPPER GROUND WIRE FROM BASE BUILDING STEEL AND ATTACHED TO PEDESTALS WITH A T&B PROPOSED COMPOUND UNDER CLAMPS.
- FOR SMOKE DETECTION SPECIFICATIONS SEE DWG. E-2.

PANEL UPS SECTION I 120/208V, 3Ø, 4 WIRE 150 AMP MAINS, 150A MCB, GND BUS									
KVA	ITEM #	TRIP	CKT	TRIP	CKT	TRIP	ITEM #	KVA	
.85	1	15	1		2	20	3	1.45	
.85	2		3		4	20	11	1.0	
.85	4		5		6	20	12	1.0	
.85	5		7		8	30	18	2.5	
.85	9		9		10	30	19	2.5	
.85	10		11		12	30	24	2.5	
.85	33		15		14	30	25	2.5	
.85	34		15		16	30	35	1.9	
1.9	29	20	17		18		SPACE		
1.9	36	20	19		20				
					22				
4.5	31	30	21		24				
					26				
4.5	32	30	23		28				
					30				
1.9	28	20	25		32				
					34				
					36				
.7	6	20	27		38				
					40				

EQUIPMENT SCHEDULE									
ITEM No.	EQUIPMENT	RECPT	PANEL SECTION	CKT No.	CKT BREAKER	CDT	WIRES	GND	
1	PR-60	5-15R	I	1	1P-15A	3/4"	2*12	*12	
2	PR-50	5-15R	I	3	1P-15A	3/4"	2*12	*12	
3	PR-1	5-20R	I	2	1P-20A	3/4"	2*12	*12	
4	PR-4	5-15R	I	5	1P-15A	3/4"	2*12	*12	
5	SB-50	5-15R	I	7	1P-15A	3/4"	2*12	*12	
6	SW	HARD	I	27	3P-20A	3/8"	4*12	*12	
7	CU-42A	HARD	II	11	3P-100A	1 1/4"	4*2	*8	
8	CU-42B	HARD	II	13	3P-100A	1 1/4"	4*2	*8	
9	G5B	5-15R	I	9	1P-15A	3/4"	2*12	*12	
10	PE-SYST	5-15R	I	11	1P-15A	3/4"	2*12	*12	
11	DEC 1	(2) 5-15R	I	4	1P-20A	3/4"	2*12	*12	
12	DEC 2	(2) 5-15R	I	6	1P-20A	3/4"	2*12	*12	
13	SA600	L21-30R	II	5	3P-30A	3/4"	4*10	*10	
14	CPU	L21-20R	II	1	3P-20A	3/4"	4*12	*12	
15	HSC-40	L21-30R	II	7	3P-30A	3/4"	4*10	*10	
16	SA600	L21-30R	II	9	3P-30A	3/4"	4*10	*10	
17	ESE-20	L21-30R	II	4	3P-30A	3/4"	4*10	*10	
18	TA 79	L6-30R	I	8	1P-30A	3/4"	2*10	*10	
19	TA 79	L6-30R	I	10	1P-30A	3/4"	2*10	*10	
20	CPU	L21-20R	II	3	3P-20A	3/4"	4*12	*12	
21	HSC-40	L21-30R	II	6	3P-30A	3/4"	4*10	*10	
22	SA600	L21-30R	II	8	3P-30A	3/4"	4*10	*10	
23	ESE-20	L21-30R	II	10	3P-30A	3/4"	4*10	*10	
24	TA 79	L6-30R	I	12	1P-30A	3/4"	2*10	*10	
25	TA 79	L6-30R	I	14	1P-30A	3/4"	2*10	*10	
26	CU-42A	HARD	II	12	3P-100A	1 1/4"	4*2	*8	
27	CU-42B	HARD	II	14	3P-100A	1 1/4"	4*2	*8	
28	9720	L6-30R	I	25	2P-30A	3/4"	3*10	*10	
29	2200	L6-20R	I	17	2P-20A	3/4"	3*12	*12	
30	SW	HARD	II	2	3P-20A	3/4"	4*12	*12	
31	DCP-40A	HARD	I	21	2P-30A	3/4"	3*10	*10	
32	DCP-40B	HARD	I	23	2P-30A	3/4"	3*10	*10	
33	770-06	5-15R	I	13	1P-15A	3/4"	2*12	*12	
34	770-06	5-15R	I	15	1P-15A	3/4"	2*12	*12	
35	9720	L6-30R	I	16	2P-30A	3/4"	3*10	*10	
36	2200	L6-20R	I	19	2P-20A	3/4"	3*12	*12	

- LEGEND**
- RELOCATED FLUORESCENT LIGHTING FIXTURE - 2'4" x 4'8"
  - EXISTING FLUORESCENT LIGHTING FIXTURE (2'4" x 4'8") TO REMAIN
  - EXIT LIGHT FIXTURE "LIGHTALARM" SERIES 8X3-NYF, 277V NYC CALENDER NO. 31100
  - EXISTING EXIT LIGHT FIXTURE TO REMAIN
  - SINGLE POLE TOGGLE SWITCH WALL MOUNTED 48" AFF. 277V-20A HUBBELL #1121
  - JUNCTION BOX
  - EXISTING WIRED UNDERCELL MOUNTED JUNCTION BOX TO BE RE-USED
  - PULL BOX - SIZE AS SHOWN
  - DISCONNECT SWITCH - SIZE AS SHOWN FUSED AS SHOWN
  - COMPUTER ROOM EQUIPMENT ITEM NUMBER - SEE SCHEDULE FOR CONDUIT, WIRING, AND WIRING DEVICE
  - ELECTRIC METALLIC TUBING (EMT) U.L. STD #6 RUN CONCEALED. MINIMUM SIZE = 3/4" INSTALL WIRES (TYPE XHHW) AS SHOWN MINIMUM WIRES = 2\*12.
  - HOMERUN
  - FLEXIBLE CONDUIT & CABLE CONNECTION
  - CONDUIT & WIRING TO BE REMOVED
  - STROBE LIGHT/ANNUNCIATOR, PYROTRONICS MODEL AV-32 W/POLARIZED HORN
  - EXHAUST FAN



AC UNIT CONTROL WIRING DIAGRAM

PANEL UPS SECTION II 120/208V, 3Ø, 4 WIRE 150 AMP MAINS, 150A MCB GND BUS									
KVA	ITEM #	TRIP	CKT	TRIP	CKT	TRIP	ITEM #	KVA	
3.5	14	20	1		2	20	30	.7	
3.5	20	20	3		4	30	17	1.5	
3.0	13	30	5		6	30	21	3.0	
3.0	15	30	7		8	30	22	3.0	
3.0	16	30	9		10	30	23	1.5	
2.1	7	100	11		12	100	26	2.1	
2.1	8	100	13		14	100	27	2.1	



#2	REVISED AS PER P.A. COMMENTS	6-25-92
#1	REVISED AS PER P.A. COMMENTS	5-6-92
REV. No.	DESCRIPTION	DATE
<b>Cantor Fitzgerald Securities</b> One World Trade Center Floor 104 New York, NY 10048		
NOTES, LEGEND & PANEL SCHEDULES		
<b>John C. Westrick &amp; Associates</b> CONSULTING ENGINEERS 2310 Maple Avenue South Plainfield, NJ 07080 (201) 561-4170 Fax (201) 753-8584		
SCALE: 1/4" = 1'-0" DWN BY: <u>ALB</u> CHK'D BY:		E-3
DATE: 20 Feb 92 JOB NO. 92104		